

1 R	WITH DIVERSE-TYPE ART DEVICE	268To eliminate crossover distortion
1 A	.With process control system		
2	WITH AMPLIFIER CONDITION	269	..Having field effect transistor
	INDICATING OR TESTING MEANS	270	..Having D.C. feedback bias control for stabilization
3	WITH PLURAL DIVERSE-TYPE AMPLIFYING DEVICES	271	..Having signal feedback means
4	WITH MASER-TYPE AMPLIFYING DEVICE	272	..Having temperature compensating means
4.5	PARAMETRIC AMPLIFIERS		
4.6	.Traveling wave type	273	..Having particular biasing arrangement
4.7	..Electron beam device		
4.8	.Gyromagnetic type (e.g., ferrite)	274	...To eliminate crossover distortion
4.9	.Semiconductor type (e.g., with semiconductor diode)	275	..Having balanced to unbalanced circuitry and vice versa
5	WITH SOLID ELEMENT WAVE PROPAGATING AMPLIFYING DEVICE	276	..Having transformer
		277	.Including field effect transistor
5.5	.Phonon type (e.g., ultrasonic wave propagating device)	278	.Including gain control means
6	WITH HALL EFFECT TYPE MEANS	279	..And significant control voltage developing means
7	WITH CAPACITIVE AMPLIFYING DEVICE		
8	WITH SATURABLE REACTOR-TYPE AMPLIFYING DEVICE	280	...With delay means
		281	...With time constant means
9	WITH PERIODIC SWITCHING INPUT-OUTPUT (E.G., FOR DRIFT CORRECTION)	282	..Having feedback means acting as variable impedance
		283	...Having emitter degeneration
10	MODULATOR-DEMODULATOR-TYPE AMPLIFIER	284	..Having attenuation means in signal transmission path
11	WITH D.C. REINSERTION CIRCUIT	285	..Having particular biasing means
250	WITH SEMICONDUCTOR AMPLIFYING DEVICE (E.G., TRANSISTOR)	286	.Including distributed parameter-type coupling
251	.Including Class D amplifier	287	..Of diode type
252	.Including differential amplifier	288	.Including current mirror amplifier
253	..Having field effect transistor		
254	..Having gain control means	289	.Including temperature compensation means
255	..Having push-pull amplifier stage	290	.Including D.C. feedback bias control for stabilization
256	..Having temperature compensation means	291	.Including signal feedback means
257	..Having current mirror amplifier	292	..Having compensation for interelectrode impedance
258	..Having common mode rejection circuit	293	..Having negative feedback
259	..Having D.C. feedback bias control for stabilization	294	..Having frequency-responsive means or phase-shift means in feedback path
260	..Having signal feedback means		
261	..Having particular biasing arrangement	295	.Including plural amplifier channels
262	.Including push-pull amplifier	296	.Including particular biasing arrangement
263	..Having complementary symmetry		
264	...And field effect transistor	297	.Including particular power supply circuitry
265	...And feedback means		
266	...And temperature compensation	298	.Including protection means
267	...And particular biasing arrangement	299	.Including combined diverse-type semiconductor device

300	..Bipolar or unipolar (FET)	59	HAVING LIGHT-CONTROLLED OR
301	..Including balanced to unbalanced circuits and vice versa		ACTIVATED DEVICE (I.E., NOT LIGHT SIGNAL)
302	..Including frequency-responsive means in the signal transmission path	60	HAVING MAGNETOSTRICTIVE-TYPE AMPLIFYING DEVICE
303	..Including an active device in the filter means	61 R	WITH RESISTIVE-TYPE AMPLIFYING DEVICE
304	..And equalizing means	62	.Magnetoresistive type
305	..And tuning means	61 A	.Negative resistance amplifiers
306	..And bandpass, broadband (e.g., wideband) or sidepass means	63	WITH MAGNETIC MEANS AMPLIFYING DEVICE
307	.Integrated circuits	64	WITH SPACE CHARGE GRID TUBE
308	..Including atomic particle or radiant energy impinging on a semiconductor	65	INVOLVING STRUCTURE OTHER THAN THAT OF TRANSFORMERS PER SE
309	..Involving structure of three diverse function electrode type	66	.With printed circuits
310	..Including plural stages cascaded	67	.With capacitive structure
311	..Having different configurations	68	.With shielding means
41	WITH GAS OR VAPOR TUBE AMPLIFYING DEVICE	69	SUM AND DIFFERENCE AMPLIFIERS
42	WITH SECONDARY ELECTRON EMISSION TUBE AMPLIFYING DEVICE	70	ANODE ENERGIZED THROUGH DISCHARGE PATH OF CONTROLLED VACUUM TUBE
43	WITH TRAVELING WAVE-TYPE TUBE	71	.Plural discharge paths traversed by anode supply
44	WITH ELECTRON BEAM TUBE AMPLIFYING DEVICE	72	..Amplifier devices in arms of a bridge
45	..Having electrode coupled to cavity resonator	73	.Plural outputs
46	..Having deflecting means	74	.Separate signal inputs to series devices
47	WITH MAGNETICALLY INFLUENCED DISCHARGE DEVICE (E.G., MAGNETRONS)	75	SIGNAL FEEDBACK
48	..Having signal applied to magnetic means	76	.Compensating for inter-electrode impedance (e.g., neutralization)
49	WITH VACUUM TUBE HAVING DISTRIBUTED PARAMETER IMPEDANCE CHARACTERISTICS	77	..At least one push-pull stage
50	WITH DUMMY TUBE	78	..To or from electrode common to input and output
51	COMBINED WITH AUTOMATIC AMPLIFIER DISABLING SWITCH MEANS	79	..By transformer feedback
52	WITH PILOT FREQUENCY CONTROL MEANS	80	..By coil in parallel to and resonating with inter-electrode capacity
53	WITH DISTRIBUTED PARAMETER-TYPE COUPLING MEANS	81	.At least one push-pull signal stage
54	.Distributed amplifier	82	..Positive and negative feedback
55	.Push-pull	83	..Including D.C. path for signal feedback
56	.Waveguide, cavity, or concentric line resonator	84	.Plural amplifier channels
57	.Artificial line	85	.Amplifier in signal feedback path
58	WITH ROTATING DYNAMOELECTRIC AMPLIFYING DEVICE	86	.Variable impedance in feedback path varied by separate control path
		87	.Cathode impedance feedback
		88	..Cascade amplifier stages with cathode-cathode feedback
		89	...Between adjacent stages

90	..Combined with diverse-type feedback coupling	120	.Interstage coupling between push-pull
91	...Diverse feedback to or from cathode	121	..D.C. coupling
92Feedback to cathode impedance of a prior stage	122	.Input and/or output coupling for push-pull
93	...Including positive feedback	123	.Power or bias supply circuits and control thereof
94	..Frequency responsive means in cathode impedance feedback path	124 R	WITH PLURAL AMPLIFIER CHANNELS (E.G., PARALLEL AMPLIFIER CHANNELS)
95	..Nonlinear impedance means in cathode impedance feedback path	125	.D.C. and A.C. amplifier channels
96	.Combined with control of bias voltage of signal amplifier	126	.Amplifying different frequencies in different channels
97	.Including D.C. path for signal feedback	124 D	.Redundant amplifier circuits
98	.In cascade amplifiers	127	WITH CONTROL OF POWER SUPPLY OR BIAS VOLTAGE
99	..Multiple feedback	128	.Control means for anode of screen grid circuit
100	...A feedback to input of a prior stage	129	.With control of input electrode or gain control electrode bias
101	.Positive and negative feedback in same path at different frequencies	130	..Bias controlled by separate external control source
102	.Current and voltage feedback	131	..Control of bias on separate gain control electrode
103	.Multiple feedback paths	132	..Frequency selective means to select control signal from amplifier channel
104	..Positive and negative feedback	133	..Different bias control means for different stages of cascade amplifier
105	.From impedance in series with output load (e.g., current feedback)	134	..Plural different bias control voltages provided by separate means
106	.In series with input source	135	..Amplitude limiting or bias voltage
107	.Phase shift means in loop path	136	..Bias control signal from input of amplifier
108	.Potentiometer common to signal and feedback path	137	..Oscillator supplies or controls bias
109	.Frequency responsive feedback means	138	..Bias controlled by biased rectifier or discharge device
110	.Nonlinear impedance element in loop path	139	..Electronic tube controls bias
111	.To or from an auxiliary grid or to the anode	140	..Rectifier in bias control circuit
112	.Positive feedback	141	..Time constant circuit in bias control circuit
113	POLYPHASE POWER SUPPLY (I.E., FOR AN ELECTRODE, CATHODE HEATER, OR FILAMENT)	142	..Cathode resistor supplies bias (e.g., self-biasing circuits)
114	UNRECTIFIED A.C. POWER SUPPLY FOR AN ELECTRODE (I.E., NOT THE HEATER)	143	THERMALLY RESPONSIVE IMPEDANCE
115	.Applied to filamentary cathode	144	VARIABLE IMPEDANCE FOR SIGNAL CHANNEL CONTROLLED BY SEPARATE CONTROL PATH
116	WITH BALANCED-TO-UNBALANCED COUPLING	145	.Electron tube or diode as impedance
117	WITH UNBALANCED-TO-BALANCED COUPLING		
118	INCLUDING A PUSH-PULL STAGE		
119	.Coupling to or from cathode in push-pull		

146	WHEATSTONE BRIDGE WITH AMPLIFIER IN AT LEAST ONE ARM	178	..With R or L in series between stages
147	PLURAL SIGNAL INPUTS	179	..L in anode or grid circuit
148	PLURAL SIGNAL OUTPUTS	180	..With R in anode and grid circuit (RC coupling)
149	HUM OR NOISE OR DISTORTION BUCKING INTRODUCED INTO SIGNAL CHANNEL	181	.D.C. coupled
150	CASCADED SIMILAR AMPLIFYING DEVICE OF DIFFERENT CHARACTERISTICS	182	..With series reactive element between stages
151	WITH AMPLIFIER BYPASS MEANS (E.G., FORWARD FEED)	183	..With nonlinear device
152	CASCADED DIFFERENTLY COUPLED BETWEEN STAGES	184	..With series resistance between stages
153	.Including a cathode follower stage	185	INPUT NETWORKS
154	.Transformer or resonant circuit in interstage coupling (e.g., stagger tuning)	186	.To cathode
155	UNICONTROL OF COUPLING OR THE CIRCUITS ASSOCIATED THEREWITH	187	..D.C. coupled
156	BOOTSTRAP COUPLING	188	.Transformer coupled
157	INTERSTAGE COUPLING	189	..With additional impedance connected to "P" or "S" circuits
158	.Coupling to cathode	190	..With transformer structure
159	..D.C. coupling	191	.D.C. coupled
160	.Coupling to plate or auxiliary grid	192	OUTPUT NETWORKS
161	..D.C. coupling	193	.From cathode
162	.Output coupling from grid	194	..D.C. coupled
163	..D.C. coupling	195	.Transformer coupled
164	.With electronic tube or diode in coupling circuit	196	..With additional impedance connected to "P" or "S" circuit
165	.Transformer coupling	197	..With transformer structure
166	..With additional reactive coupling	198	.D.C. coupled
167	..With additional impedance connected to "P" or "S" circuits	199	WITH POWER OR BIAS VOLTAGE SUPPLY
168	..From cathode	200	.For plural stage amplifier
169	..With means for adjusting inductive coupling	201	..Filamentary cathodes heated by anode current or anode supply source
170	..With shielding	202	.For anode
171	..With transformer structure	203	..And input electrode
172	.Coupling from cathode	204	.For input electrode
173	..D.C. coupling	205	..And filamentary cathode
174	.With electromechanical transducer (e.g., piezoelectric crystal)	206	.For filamentary cathode
175	.With lattice or Wheatstone bridge network in coupling circuits	207 R	MISCELLANEOUS
176	.With T, H, or Pi network in coupling circuit	207 A	.Class D
177	.With coupling or blocking capacitor	207 P	.Amplifier protection means

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